

Peak District National Park

Forecast valid from 00:00 on Sunday 14 May 2023 until 23:59 on Monday 15 May 2023

Forecast Issued on Saturday 13 May 2023 at 13:18

Confidence: High for largely settled conditions through the period. Lower for detail of low cloud and for the timing of rain and showers later Sunday and on Monday.

Headline for Sunday 14 May 2023: Low cloud and early mist and fog clearing to sunny spells. Cloud and rain arriving from the northwest Sunday evening,

Mountain weather hazards on Sunday 14 May 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Partly cloudy (night)	Fog	Cloudy	Sunny intervals	Sunny intervals	Dull	Light rain	Light rain
Precipitation probability							
00%	10%	10%	<05%	<05%	20%	60%	80%

Forecast for Sunday 14 May 2023

Weather: A mostly dull start with extensive low cloud and patches of mist and fog. This will clear readily through the morning to leave a fine day of sunny spells. High cloud will build from the west during the afternoon, turning sunshine increasingly hazy. Chance of a few isolated showers ahead of a more sustained period of rain that arrives from the northwest through the evening.

Chance of cloud-free hill tops above 600m: 10% in the east and 40% in the west initially. Soon improving to above 90%. Lowering from the northwest to 40% during the evening.

Low cloud and visibility: Extensive low cloud, bases around 200m and down to very low levels on eastern slopes at first. Cloud will lift and clear by mid-morning to above summits. Cloud is expected to lower in the evening as rain arrives, with bases of 400-500m for western Peaks. Visibility poor beneath cloud in early mist and very poor in any fog patches. Otherwise very good for much of the day. Visibility falling to moderate in and around showers and poor in rain later.

Forecast for Sunday 14 May 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/10 S	9/12 SW	8/11 SW	8/11 W	11/17 W	11/17 W	11/17 W	11/16 W	12/18 NW
300	6/8 S	4/6 SW	4/6 SE	6/9 W	9/14 W	9/15 W	10/17 NW	8/13 W	10/17 NW
Valley	3/8 SE	3/6 NE	2/6 S	4/8 SW	8/14 W	8/15 W	9/17 NW	7/13 W	8/16 NW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	9/7	8/6	9/7	11/9	12/10	12/10	10/7	8/5	6/2
300	10/9	9/8	9/9	13/12	14/13	14/13	12/10	10/8	8/6
Valley	9/8	8/7	10/10	13/13	16/14	15/14	13/11	10/9	9/7
Freezing Level*	1700m	1800m	1800m	1800m	1800m	1900m	1900m	2000m	1800m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Extensive low cloud will make for challenging navigation during the morning, especially on eastern routes. Becoming unsettled by the evening, with showers and prolonged rain late on. Risk of high UV levels in afternoon sunny spells.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Fri 12 May 2023	3mm	25.2mm	28.2mm

Forecast for Monday 15 May 2023

Weather: Patchy rain soon clearing to the southeast to leave a fine a bright morning. Fair weather cloud building during the afternoon with well-scattered showers developing. There is a slight chance that some of these may turn heavy or thundery. Showers fading through the evening with variable cloud overnight. Feeling cool in the fresh northerly breeze.

Maximum wind: North to northwest 15-20mph with gusts 25-30mph, easing during the afternoon.

Chance of cloud-free hill tops above 600m: 60%, soon improving to above 90%.

Low cloud and visibility: Chance of cloud bases around 500m as the rain band clears to the southeast of the Peaks during the morning. Developing cloud may briefly shroud the highest slopes late morning before lifting clear of summits. Chance of bases lowering to around 600m in the vicinity of any heavy showers that may develop. Visibility generally very good, but moderate to poor in any showers or heavy showers.

Temperature: **Valleys:** Plus 6 Celsius rising to Plus 14 Celsius
At 600m: Plus 4 Celsius rising to Plus 10 Celsius
Freezing level: Well above summits.